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NEWARK, DELAWARE  
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FILE

COLLEGE OF ENGINEERING  
DEPARTMENT OF CIVIL ENGINEERING  
134 DUPONT HALL  
PHONE: 302-738-2442

CORRESPONDENT'S PHONE:  
302-738-2446

June 16, 1969

Mr. Uldis Karins  
Assistant County Engineer  
New Castle County Engineering Building  
P.O. Box 165  
Wilmington, Delaware 19899

Dear Mr. Karins:

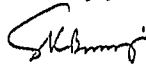
I am enclosing two copies of the records of water quality investigations at the Tybouts Corner Sanitary Landfill from March 14, 1969, up through May 2, 1969. In addition to ground water quality monitoring, we have included a set of data on the quality of the surface streams (Pigeon Run and Red Lion Creek). Further, some water samples were also analyzed from the adjacent houses (ground water wells) near the landfill on Route 13.

In some the wells in the landfill site no samples were collected, either because of well destruction or because of very low water level. Dr. Varrin's earlier letter dated April 29, 1969, mentioned about the destroyed wells and asked if replacement wells can be placed in position soon.

Looking over the data it seems there is slight deterioration in water quality in wells number two and three over the last six months operation. The results are not very significant at the present time since the increases in alkalinity, chloride, iron and specific conductance are still usually within the allowable level in USPHS drinking water standards. However, it is necessary for us to keep a close watch on these wells.

Mr. Karanik of Water and Air Resources Commission would like to have a copy of the water quality data. Instead of my sending him the data I would appreciate it if it goes to him through your office. I have enclosed two copies of the data for this purpose. The previous data from January 2, 1969, to March 7, 1969, was sent to you earlier and I would appreciate it if you will send him (Mr. Karanik) copies of them also.

Sincerely yours,



S. K. Banerji  
Assistant Professor 028148

RECEIVED JUN 18 1969

SKB:cad  
Enclosures 2  
cc: R. D. Varrin

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